

## ABSTRACT

An integrated circuit architecture for multimedia processing. A single integrated circuit (IC) operates as a system or subsystem, and is adaptable to processing a variety of multimedia algorithms, whether proprietary or open. Hard macros, either analog or digital, can be incorporated. The IC can also contain audio/video CODECs to suit different standards, as well as other peripheral devices which may be required for multimedia applications. An electronic component (e.g., integrated circuit) incorporating the technique is suitably included in a system or subsystem having electrical functionality, such as general purpose computers, telecommunications devices, and the like.